LABDEX

Fluorescence Cell Counter LX5000FCR

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Description

Fluorescence Cell Counter LX5000FCR features dual fluorescent excitation wavelengths and detection filters, along with a bright field view for all samples through its digital microscope optics. It enables routine analysis of cell density, viability, and transfection efficiency. Additionally, pre-configured applications ensure easy and reliable test execution.

Specifications

Screen	7-inch multi touch color display screen
Storage	Standard 128 GB hard drive
Focus mode	Auto focus
Concentration range	$1x10^4$ to $3x10^7$ cells/ml
Diameter range	0 - 100%
Viability range	2 – 400 µm
Sample volume	10 µl / 20 µl
Measurement time (single view)	
Measurement time (five views)	
Six sample analysis times (five views)	
Excitation wavelength	475nm, 545 nm (up to 8 LED excitation light sources)
Emission wavelength	530nm, 605 nm (up to 8 LED excitation light sources)
Output format	JPG, PDF, CSV, FCS (optional)
Camera	CMOS 6.3 million pixels
Product dimension (W x D x H)	190 x 276 x 367 mm
Packaging dimension (W x D x H)	400 x 500 x 400 mm
Gross weight	5 Kg

Features

- Automated analysis with patented technology

- High repeatability and fast imaging for various cell applications
- Compliant with FDA 21 CFR Part 11 regulations
- Supports AO/PI double fluorescent staining
- Accurate counting of 6 samples in one step
- Enables GFP fluorescence detection for cell transfection analysis

Applications

- Laboratory instrument used to count and analyze cells in a biological sample. Used in research, immunology, microbiology, and stem cell studies.

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